

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- ☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- ☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
July 7, 1993	G2-28893		

NAME			
Pulali Point Partners			
ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
3215 E Mercer	Seattle	Washington	98112

PUBLIC WATERS TO BE APPROPRIATED

SOURCE		
A Well/Pulali Point Water System		
TRIBUTARY OF (IF SURFACE WATERS)		
MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE FEET PER YEAR
	30	4.0
QUANTITY, TYPE OF USE, PERIOD OF USE		
4.0 Acre-feet per year	Multiple domestic supply Year-round, as needed	

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
300 feet North and 300 feet West of the South quarter corner of Section 18.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SE¼ SW¼	18	26	1W	17	Jefferson

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Parcel A:

Government Lot 3, Section 18, T. 26 N., R. 1 W.W.M.; in Jefferson County, Washington. Except the right of way for Pulali Point Road; Also excepting therefrom those portions described as follows: Five acres in the Northwest corner of said Government Lot 3, with a water frontage of two acres and described in Jefferson County Assessors Plat and Description Book as Tax No. 1, in said Section 18. Also excepting that portion of said Government Lot 3, described as follows: Beginning at the Southwest corner of the above described Tax 1 in said Section 18, and running thence East along the South line of said Tax 1 and its extension 550 feet; thence Southerly parallel to the West line of said Lot 3, 235 feet; thence West, parallel to the South line of said Tax 1, 550 feet; thence Northerly, along the West line of said Lot 3, 235 feet to the point of beginning. All situate in the County of Jefferson, State of Washington.

Parcel B:

Government Lot 1, in Section 19, T. 26 N., R. 1 W.W.M., in Jefferson County, Washington. Excepting therefrom that portion described as follows: That portion of Government Lot 1 in Section 19, T. 26 N., R. 1 W.W.M., described as follows: Beginning at the Southeast corner of said Government Lot 3 in Section 18, of said Township and Range which is also a point on the North line of said Section 19; thence South 54 degrees 30' West, 258 feet; thence South 5 degrees 30' East, to the Southeasterly boundary of said Lot 1; thence Northeasterly, along the boundary of said Lot 1, to the North line of said Section 19; thence West, along said North line to the point of beginning. All situate in the County of Jefferson, State of Washington.

Parcel C:

All tidelands of the second class situate in front of, adjacent to, or abutting upon that part of Lot 1, Section 19, T. 26 N., R. 1 W.W.M., lying West of a line running South, across said Lot 1, from a point on the North line thereof which is 896 feet West of the Southeast corner of Lot 3 of adjoining Section 18;

AND

All tidelands of the second class situate in front of, adjacent to, or abutting upon that part of Lot 1, Section 19, T. 26 N., R. 1 W.W.M., lying East of a line running South across said Lot 1; from a point of the North line thereof which is 896 feet West of the Southeast corner of Lot 3 of adjoining Section 18, said Township and Range. All situate in the County of Jefferson, State of Washington.

DESCRIPTION OF PROPOSED WORKS

A 6" X 183' well.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

Started

COMPLETE PROJECT BY THIS DATE:

March 1, 2002

WATER PUT TO FULL USE BY THIS DATE:

March 1, 2005

REPORT

BACKGROUND:

Pursuant to Chapters 90.03 and 90.44 Revised Code of Washington (RCW), Pulali Point Partners applied for a permit to appropriate public ground water from a well. A withdrawal rate of 35 gallons per minute (gpm) was requested for multiple domestic supply of eight residences. The application was assigned a priority date of July 7, 1993.

Legal notice of the proposed appropriation was published in the *Port Townsend Jefferson County Leader* of Jefferson County on September 15 and September 22, 1993. No protests were received as a result of this notice.

INVESTIGATIONS:

I conducted a field examination of the project site on December 30, 1997. I researched pertinent Department of Ecology records of water rights, claims, and well construction reports. I contacted George Hartman of Pulali Point Partners and engineer, Dave Hanna, by telephone for additional information.

Well Information

The subject well is located on Pulali Point which extends into Dabob Bay on Hood Canal, approximately six miles south of the town of Quilcene in Jefferson County. Pulali Point is mostly forested and undeveloped. The surrounding area receives light residential and recreational use.

Well head elevation: approximately 90 feet above MSL
Well depth: 183 feet (approximately 80 feet below MSL)
Casing diameter: 6 inches
Static water level: 40 feet below top of casing (on June 15, 1990)
(22.9 feet on November 6, 1990)

Casing perforated from 145 to 183 feet

According to the well report, the Pulali Point well derives water from fractured basalt bedrock.

A pumping test was conducted on this well at 29-33 gpm. Drawdown stabilized at approximately 124 feet below the static level after seven hours of pumping. Because this well does not appear to be capable of producing over 30 gpm, the permit should be limited to a maximum instantaneous rate of 30 gpm.

Potential Effects on Existing Rights

No water right certificates or permits have been issued by Ecology within a half-mile radius of the Pulali Point well. Seventeen well reports and 13 ground-water-right claims are on file for all of Section 18. Due to the low withdrawal rate requested and adequate well spacing in this area, it does not appear likely that other wells will be impaired as a result of this proposal. Because of its location in a ground-water discharge zone, withdrawals from this well should not adversely affect surface waters.

A chloride level of 20 mg/L was measured in a water sample from the subject well on February 23, 1994. I collected a water sample from the well on April 16, 1998 and obtained a similar result using a HACH chloride-test kit. A 130-foot well on Pulali Point produced water containing 9.6 mg/L in 1978 (Dion and Sumioka, Water-Supply Bulletin 56 Seawater Intrusion into Coastal Aquifers in Washington, 1978).

Currently, there appear to be no signs of seawater intrusion in area wells. However, due to the completion of this well approximately 93 feet below sea level and its location on a point surrounded by saltwater, I recommend that chloride levels be monitored and that withdrawals be regulated, if necessary, to prevent the intrusion of seawater into the aquifer.

Water Requirements

Pulali Point Water System is intended to serve eight residences on 2 to 2½-acre wooded lots plus two additional homes on adjacent properties. As part of an agreement with the State Department of Fish and Wildlife to conserve bald eagle habitat, the amount of clearing allowed on each lot will be limited. Because outdoor watering will be minimal, water use should not exceed 350 gallons per day per home, or 4.0 acre-feet per year for ten homes.

CONCLUSION:

In accordance with Chapters 90.03 and 90.44 RCW, I find that water is available for appropriation from the source in question, the appropriation is for a beneficial use, and should not impair existing rights or be detrimental to the public welfare.

RECOMMENDATIONS:

I recommend approval of this application and issuance of a permit to allow appropriation of 30 gpm, 4.0 acre-feet per year, for multiple domestic supply. The period of use shall be year-round, as needed.

The permit shall be subject to all applicable State laws and regulations and to the following provisions:

Provisions

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, 1112 SE Quince Street, PO Box 47890, Olympia, Washington 98504-7890, prior to any new construction or alterations of a public water supply system.

Installation and maintenance of an access port as described in Chapter 173-160 is required. An air line and gauge may be installed in addition to the access port.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, 90.44.450 and WAC 508-64-020 through -040, and WAC 508-12-030. Meter readings shall be recorded at least monthly.

Permittee or certificate holder, and its successor(s) shall provide data on chloride concentrations for the well authorized by this permit or certificate with analysis performed by a state accredited laboratory. Accreditation information may be obtained from Ecology's Quality Assurance Program at (360) 895-4649. Sampling shall occur in April and August of each year, with a copy of the laboratory results for both sampling events submitted by October 15 of the same year, to the Department of Ecology, Southwest Regional Office, Olympia, Washington.

If pumping of the well authorized by this permit or certificate causes chloride concentrations to exceed 100 milligrams per liter, immediate action shall be required to prevent concentrations from increasing (such as reducing the instantaneous withdrawal rate (gpm) of the well). If corrective measures fail to prevent chloride concentrations from exceeding said level in the future, permittee or certificate holder shall relinquish the option to perfect additional allocated quantities regardless of the stage of development.

Issuance of this water right may be subject to implementation of the minimum requirements established in the Conservation Planning Requirements, Guidelines and Requirements for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology, and Conservation Programs, July 1994, and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the State's water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this water right, the applicant shall prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

REPORTED BY: Marie Peter Date: July 10, 1998

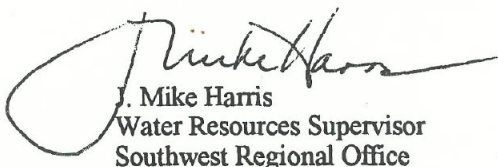
The statutory permit fee for this application is \$20.00.

FINDINGS OF FACT AND DECISION

Upon reviewing the above report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I find water is available for appropriation and the appropriation as recommended is a beneficial use and will not be detrimental to existing rights or the public welfare.

Therefore, I ORDER a permit be issued under Ground Water Application Number G2-28893, subject to existing rights and indicated provisions, to allow appropriation of public ground water for the amount and uses specified in the foregoing report.

Signed at Olympia, Washington, this 10th day of July, 1998.


J. Mike Harris
Water Resources Supervisor
Southwest Regional Office